

## Freeform Search

<b>Database:</b>	US Pre-Grant Publication Full-Text Database
	US Patents Full-Text Database
	US OCR Full-Text Database
	EPO Abstracts Database
	JPO Abstracts Database
	Derwent World Patents Index
	IBM Technical Disclosure Bulletins
<b>Term:</b>	L9 and (generat\$ with heartbeat\$)
<b>Display:</b>	<input type="text" value="10"/> Documents in <b>Display Format:</b> <input type="text" value="KWIC"/> Starting with Number <input type="text" value="1"/>
<b>Generate:</b> <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image	

### Search History

**DATE:** Monday, July 26, 2004   [Printable Copy](#)   [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<u>L13</u>	L9 and (generat\$ with heartbeat\$)	3	<u>L13</u>
<u>L12</u>	L9 and heartbeat\$	12	<u>L12</u>
<u>L11</u>	L10 and heartbeat\$	3	<u>L11</u>
<u>L10</u>	L9 and node\$.ab.	3	<u>L10</u>
<u>L9</u>	L8 and network\$.ab.	12	<u>L9</u>
<u>L8</u>	L7 and (heartbeat\$).ab.	23	<u>L8</u>
<u>L7</u>	714/\$.ccls.	23210	<u>L7</u>
<u>L6</u>	L4 and (((translat\$ or convert\$ ) with network\$ with protocol\$) same (retranslat\$ or reconvert\$))	4	<u>L6</u>
<u>L5</u>	L4 and ((translat\$ or convert\$ or retranslat\$ or reconvert\$) with network\$ with protocol\$)	633	<u>L5</u>
<u>L4</u>	709/\$.ccls.	15841	<u>L4</u>
<u>L3</u>	L1 and (translat\$ with protocol\$)	0	<u>L3</u>
<u>L2</u>	L1 and (convert\$ with protocol\$)	0	<u>L2</u>
<u>L1</u>	(6738821 or 6061723).pn.	2	<u>L1</u>

END OF SEARCH HISTORY

[Previous Doc](#)   [Next Doc](#)   [Go to Doc#](#)  
[First Hit](#)   [Fwd Refs](#)

**Generate Collection**

L13: Entry 3 of 3

File: USPT

Feb 14, 1995

DOCUMENT-IDENTIFIER: US 5390326 A

TITLE: Local area network with fault detection and recovery

Abstract Text (1):

A local area network having fault detection and recovery and a method for detecting and recovering from faults in a local area network are disclosed. The network has modules interconnected by a token bus implemented by a pair of redundant cable systems. All of the modules are agent modules and one of the modules also serves as a master module. Each agent module periodically transmits an agent heartbeat signal on each of its cables. Each module monitors all of the agent heartbeat signals from all of the other modules. When a fault is detected by a module, such as missed agent heartbeat signals from another module, the module applies agent rules to determine if and how the fault should be reported. The agent module reports the fault to the master module. The master module collects fault reports from the agent modules, applies a set of master rules to the agent fault reports, and generates a master failure report. The master module also initiates an appropriate network recovery action based upon the failure report generated. The master module periodically transmits a master heartbeat signal on the token bus which is received by the agent modules. The agent modules decode the master heartbeat signal to ensure that a master module is always present on the token bus.

Detailed Description Text (13):

The CSs 30 of the LI modules 12 are at the lowest logical level of fault detection in the network. Each CS 30 is responsible for generating and transmitting agent heartbeat signals from both transmitters at the proper rate. In addition, the CS 30 receives the agent heartbeat signals from other LI modules. It decodes and monitors every agent heartbeat signal from all of the other LI modules on the network. It also checks the time between agent heartbeats to ensure that all of them are being transmitted at the proper rate.

Detailed Description Text (79):

A task entitled Manage Token Bus Master (MTBM) handles user requests for service from the master. It also handles the timing and generation of master heartbeats and controls the master windows. Programming code for this task is included as Appendix C of this specification.

Current US Cross Reference Classification (2):  
714/55

Current US Cross Reference Classification (3):  
714/717

[Previous Doc](#)   [Next Doc](#)   [Go to Doc#](#)